

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: K. Yamauchi et al. : Art Unit:
Serial No.: To Be Assigned : Examiner:
Filed: Herewith :
FOR: REPRODUCING DEVICE, MEDIUM, :
INFORMATION AGGREGATE, :
TRANSMITTING MEDIUM, AND
RECORDING MEDIUM

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

S I R :

Prior to examination, please amend the above-identified application
as follows:

IN THE SPECIFICATION:

Please replace the paragraph beginning at page 6, line 1, with the
following:

One aspect of the present invention is a reproducing device
comprising:

Please replace the paragraph beginning at page 6, line 17, with the
following:

Another aspect of the present invention is the reproducing device
further comprising packet editing means of replacing picture data other than the
picture used for special reproduction with dummy data and outputting the data in
case of reproducing a special reproduction image, if a front half of an MPEG

transport packet of the MPEG transport packets constituting the special reproduction image, in which a plurality of pieces of picture data is detected by the reproducing means, includes the picture data other than the picture used for special reproduction.

Please replace the paragraph beginning at page 7, line 3, with the following:

Still another aspect of the present invention is the reproducing device further comprising packet editing means of replacing picture data other than the picture for special reproduction with dummy data and outputting the data in case of reproducing a special reproduction image, if a rear half of an MPEG transport packet of the MPEG transport packets constituting the special reproduction image, in which a plurality of pieces of picture data is detected by the reproducing means, includes the picture data other than the picture used for special reproduction.

Please replace the paragraph beginning at page 7, line 13, with the following:

Still another aspect of the present invention is the reproducing device further comprising packet editing means of replacing picture data other than the picture for special reproduction with dummy data and outputting the data in case of reproducing a special reproduction image, if a rear half of an MPEG transport packet of the MPEG transport packets constituting the special reproduction image, in which a plurality of pieces of picture data is detected by the reproducing means, includes the picture data other than the picture used for special reproduction.

Please replace the paragraph beginning at page 7, line 13, with the following:

Yet another aspect of the present invention is the reproducing device further comprising packet editing means of making a replacement with a transport packet in which dummy data is added to the front end of the picture data used for special reproduction and a header of the transport packet is added to a front end of

the dummy data and outputting the transport packet in case of reproducing a special reproduction image, if a rear half of an MPEG transport packet of the MPEG transport packets constituting the special reproduction image, in which a plurality of pieces of picture data is detected by the reproducing means, includes the picture data other than the picture used for special reproduction.

Please replace the paragraph beginning at page 8, line 1, with the following:

Still yet another aspect of the present invention is the reproducing device wherein the dummy data is one of adaptation stuffing or user data of a header of an MPEG transport packet, stuffing or user data of an MPEG packetized elementary stream, and zero-stuffing of an MPEG elementary stream.

Please replace the paragraph beginning at page 8, line 7, with the following:

A further aspect of the present invention is a medium comprising a program and/or data for allowing a computer to carry out all or some functions of all or some means of the reproducing device the medium being processible by a computer.

Please replace the paragraph beginning at page 8, line 12, with the following:

A still further aspect of the present invention is an information aggregate comprising a program and/or data for allowing a computer to carry out all or some functions of all or some means of the reproducing device.

Please replace the paragraph beginning at page 8, line 17, with the following:

A yet further aspect of the present invention is a transmitting medium for transmitting an MPEG transport stream reproduced in the reproducing device.

Please replace the paragraph beginning at page 8, line 21, with the following:

A still yet further aspect of the present invention is a recording medium for recording an MPEG transport stream reproduced in the reproducing device.

CLAIMS:

Please replace claim 5 with the following amended claim:

- 1 5. (Once Amended) The reproducing device according to claim
2 2, wherein the dummy data is one of adaptation stuffing or user data of a header of
3 an MPEG transport packet, stuffing or user data of an MPEG packetized
4 elementary stream, and zero-stuffing of an MPEG elementary stream.

Please replace claim 6 with the following amended claim:

- 1 6. (Once Amended) A medium comprising a program and/or
2 data for allowing a computer to carry out all or some functions of all or some
3 means of the reproducing device according to any one of claims 1, 2 or 5, the
4 medium being processible by a computer.

Please replace claim 7 with the following amended claim:

- 1 7. (Once Amended) An information aggregate comprising a
2 program and/or data for allowing a computer to carry out all or some functions of
3 all or some means of the reproducing device according to any one of claims 1, 2 or
4 5.

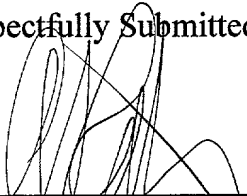
Please replace claim 8 with the following amended claim:

- 1 8. (Once Amended) A transmitting medium for transmitting an
2 MPEG transport stream reproduced in the reproducing device according to any
3 one of claims 1, 2 or 5.

Please replace claim 9 with the following amended claim:

- 1 9. (Once Amended) A recording medium for recording an
2 MPEG transport stream reproduced in the reproducing device according to any
3 one of claims 1, 2 or 5.

Respectfully Submitted,



Allan Ratner, Reg. No. 19,717
Attorney for Applicants

AR/dlm

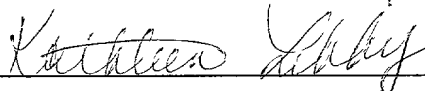
Dated: March 30, 2001

Suite 301
One Westlakes, Berwyn
P.O. Box 980
Valley Forge, PA 19482-0980
(610) 407-0700

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Kathleen Libby

SPECIFICATION:

~~The 1st invention~~ One aspect of the present invention is a reproducing device comprising:

~~The 2nd invention.~~ Another aspect of the present invention is the reproducing device ~~according to 1st invention,~~ further comprising packet editing means of replacing picture data other than the picture used for special reproduction with dummy data and outputting the data in case of reproducing a special reproduction image, if a front half of an MPEG transport packet of the MPEG transport packets constituting the special reproduction image, in which a plurality of pieces of picture data is detected by the reproducing means, includes the picture data other than the picture used for special reproduction.

~~The 3rd invention~~ Still another aspect of the present invention is the reproducing device ~~according to 1st or 2nd inventions~~, further comprising packet editing means of replacing picture data other than the picture for special reproduction with dummy data and outputting the data in case of reproducing a special reproduction image, if a rear half of an MPEG transport packet of the MPEG transport packets constituting the special reproduction image, in which a plurality of pieces of picture data is detected by the reproducing means, includes the picture data other than the picture used for special reproduction.

~~The 3rd invention~~ Still another aspect of the present invention is the reproducing device ~~according to 1st or 2nd inventions~~, further comprising packet editing means of replacing picture data other than the picture for special

reproduction with dummy data and outputting the data in case of reproducing a special reproduction image, if a rear half of an MPEG transport packet of the MPEG transport packets constituting the special reproduction image, in which a plurality of pieces of picture data is detected by the reproducing means, includes the picture data other than the picture used for special reproduction.

Specification at page 7, line 13:

~~The 4th invention~~ Yet another aspect of the present invention is the reproducing device ~~according to 1st or 2nd inventions,~~ further comprising packet editing means of making a replacement with a transport packet in which dummy data is added to the front end of the picture data used for special reproduction and a header of the transport packet is added to a front end of the dummy data and outputting the transport packet in case of reproducing a special reproduction image, if a rear half of an MPEG transport packet of the MPEG transport packets constituting the special reproduction image, in which a plurality of pieces of picture data is detected by the reproducing means, includes the picture data other than the picture used for special reproduction.

Specification at page 8, line 1:

~~The 5th invention~~ Still yet another aspect of the present invention is the reproducing device ~~according to any one of 2nd to 4th inventions,~~ wherein the dummy data is one of adaptation stuffing or user data of a header of an MPEG transport packet, stuffing or user data of an MPEG packetized elementary stream, and zero-stuffing of an MPEG elementary stream.

Specification at page 8, line 7:

~~The 6th invention~~ A further aspect of the present invention is a medium comprising a program and/or data for allowing a computer to carry out all or some functions of all or some means of the reproducing device ~~according to any one of 1st to 5th inventions,~~ the medium being processible by a computer.

~~The 7th invention~~ A still further aspect of the present invention is an
information aggregate comprising a program and/or data for allowing a computer
to carry out all or some functions of all or some means of the reproducing device
~~according to any one of 1st to 5th inventions.~~

~~The 8th invention~~ A yet further aspect of the present invention is a transmitting medium for transmitting an MPEG transport stream reproduced in the reproducing device ~~according to any one of 1st to 5th inventions.~~

~~The 9th invention—A still yet further aspect of the present invention is a recording medium for recording an MPEG transport stream reproduced in the reproducing device according to any one of 1st to 5th inventions.~~

1 5. (Once Amended) The reproducing device according to ~~any~~
2 ~~one of claims 2 to 4~~, wherein the dummy data is one of adaptation stuffing or user
3 data of a header of an MPEG transport packet, stuffing or user data of an MPEG
4 packetized elementary stream, and zero-stuffing of an MPEG elementary stream.

1 6. (Once Amended) A medium comprising a program and/or
2 data for allowing a computer to carry out all or some functions of all or some
3 means of the reproducing device according to any one of claims 1, 2 ~~to~~ or 5, the
4 medium being processible by a computer.

1 7. (Once Amended) An information aggregate comprising a
2 program and/or data for allowing a computer to carry out all or some functions of
3 all or some means of the reproducing device according to any one of claims 1, 2 ~~to~~
4 or 5.

[illegible]

1 9. (Once Amended) A recording medium for recording an
2 MPEG transport stream reproduced in the reproducing device according to any
3 one of claims 1, ~~2 to or 5~~.

[illegible]